

What is claimed is:

1. An audio system comprising a plurality of speakers arranged at a plurality of different points in the cabin of an automobile, comprising:

5 circuit for retrieving a branch of the signal of the sound reproduced from at least a speaker located far from a given seat in the cabin, delaying said signal in accordance with the distance from said seat to said speaker, and producing a processed sound signal by

10 attenuating the level of said signal in accordance with a predetermined law; and

circuit for adding said processed sound signal to the signal of the sound reproduced from at least a speaker located near said seat.

15 2. An in-cabin audio system according to claim 1, wherein said processed sound signal producing circuit further corrects the frequency characteristic of said processed sound signal.

20 3. An in-cabin audio system according to claim 1, wherein a plurality of said speakers include a center speaker installed at the center front in the cabin, a left front speaker and a right front speaker installed on the front left side and the front right side, respectively, in the cabin, a left rear speaker and

25 a right rear speaker installed on the left rear side and the right rear side, respectively, in the cabin, and a woofer.

30 4. An in-cabin audio system according to claim 1, further comprising a switch for setting a priority mode to determine a seat in said cabin which receives the optimum sound, wherein the sound pressure of said center speaker, said left and right front speakers and said left and right rear speakers is changed in accordance with the setting of said switch.

35 5. An in-cabin audio system according to claim 2, wherein a plurality of said speakers include a center speaker installed at the center front in

the cabin, a left front speaker and a right front speaker installed on the front left side and the front right side, respectively, in the cabin, a left rear speaker and a right rear speaker installed on the left rear side and the right rear side, respectively, in the cabin, and a woofer.

6. An in-cabin audio system according to claim 5, wherein a device for sending out a playback signal to said six speakers is a multichannel player unit (1) for reproducing the data recorded in a recording medium according to the multichannel recording scheme.

7. An in-cabin audio system according to claim 6, wherein in the case where six-channel sources are recorded in said recording medium reproduced by said multichannel player unit, the sound from said center speaker and said left and right front speakers are output by being added to the sound output from said left and right rear speakers, respectively, and the sound from said left and right rear speakers are output by being added to the left and right front speakers and the center speaker.

8. An in-cabin audio system according to claim 7, wherein in the case where six-channel sources are recorded in said recording medium reproduced by said multichannel player unit, the sound from said center speaker and said left and right front speakers are output by being added to the sound from said left and right rear speakers, respectively, and the sound from said left and right rear speakers are output by being added to the left and right front speakers and the center speaker.

9. An in-cabin audio system according to claim 8, further comprising a switch for setting a priority mode to determine a seat in said cabin which receives the optimum sound, wherein the sound pressure of said center speaker, said left and right front speakers

10. An audio system comprising a plurality of speakers arranged at a plurality of different points in the cabin of an automobile, comprising:

circuit for delaying the sum signal in accordance with the distance to each of said speakers and producing a processed sound signal by attenuating the level of said signal in accordance with a predetermined law;

second signal adding circuit for adding the distributed signals to the signal of the sound reproduced from the speaker near each seat.

12. An in-cabin audio system according to claim 10, wherein a plurality of said speakers include a center speaker installed at the center front in the cabin, a left front speaker and a right front speaker installed on the front left side and the front right side, respectively, in the cabin, a left rear speaker and a right rear speaker installed on the left rear side and the right rear side, respectively, in the cabin, and a woofer.

13. An in-cabin audio system according to claim 10, further comprising a switch for setting a priority mode to determine a seat in said cabin which receives the optimum sound, wherein the sound pressure of

said center speaker, said left and right front speakers and said left and right rear speakers is changed in accordance with the setting of said switch.

5           14. An in-cabin audio system according to claim 11,  
              wherein a plurality of said speakers  
include a center speaker installed at the center front in  
the cabin, a left front speaker and a right front speaker  
installed on the front left side and the front right  
10           side, respectively, in the cabin, a left rear speaker  
and a right rear speaker installed on the left rear side  
and the right rear side, respectively, in the cabin, and  
a woofer.

15           15. An in-cabin audio system according to claim 14,  
              wherein a device for sending out a  
playback signal to said six speakers is a multichannel  
player unit for reproducing the data recorded in a  
recording medium according to the multichannel recording  
scheme.

20           16. An in-cabin audio system according to claim 15,  
              wherein in the case where six-channel  
sources are recorded in said recording medium reproduced  
by said multichannel player unit, the sound from said  
center speaker and said left and right front speakers are  
output by being added to the sound output from said left  
25           and right rear speakers, respectively, and the sound from  
said left and right rear speakers are output by being  
added to the left and right front speakers and the center  
speaker.

30           17. An in-cabin audio system according to claim 16,  
              wherein in the case where six-channel  
sources are recorded in said recording medium reproduced  
by said multichannel player unit, the sound from said  
center speaker and said left and right front speakers are  
output by being added to the sound from said left and  
35           right rear speakers, respectively, and the sound from  
said left and right rear speakers are output by being  
added to the left and right front speakers and the center

speaker.

18. An in-cabin audio system according to claim 17,  
further comprising a switch for setting a  
priority mode to determine a seat in said cabin which  
receives the optimum sound, wherein the sound pressure of  
said center speaker, said left and right front speakers  
and said left and right rear speakers is changed in  
accordance with the setting of said switch.